

| Technical Data – 20/20 | |
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| Minimum roof pitch* | 15° at 100mm headlap 22.5° at 75mm headlap |
| Headlap (minimum) | 75 mm |
| Headlap (maximum) | 120 mm |
| Batten spacing at maximum gauge | 255 mm |
| Batten spacing at minimum gauge | 210 mm |
| Size of tile | 330 x 226 mm |
| Covering capacity at maximum gauge | 22.7 tiles per m ² at 100mm headlap 20.5 tiles per m ² at 75mm headlap |
| Cover width | 191 mm |
| Profile depth | 16 mm |
| Hanging length | 300 mm |
| Weight as laid | 45.4 kg per m ² at 100mm headlap 41.0 kg per m ² at 75mm headlap |
| Weight per 1000 (including pallet & packaging) | 2.1 tonnes |
| Weight per tile | 2.0 kg |
| Weight per pallet (including pallet & packaging) | 1.008 tonnes |
| Quantity per pallet | 480 |
| Quantity per row/band | 40 |
| Quantity per mini pack | 10 |
| Quantity per layer | 120 |
| Mini packs per row | 4 |
| Battens per m ² | 4.3 m at 100mm headlap 3.9 m at 75mm headlap |
| Batten size - up to 450 mm rafter centres | 38 x 25mm |
| Batten size - up to 600 mm rafter centres | 50 x 25mm |
| Nail size/type for tiles | 45 x 3.35 mm aluminium ring shank clout head |
| Nail size/type for metal tile clips | 55 x 3.35 mm aluminium ring shank clout head |
| Nail size/type for plastic tile clips | 55 x 3.35 mm aluminium ring shank clout head |

Product specification is subject to change and will be updated accordingly. Unless otherwise stated, data is based on the tiles laid at minimum headlap.

For projects where the rafters are below 22.5 degrees **the roof substructure** must be installed in accordance with the **Sandtoft low pitch installation guide**. Contact Sandtoft Technical Department for advice and a full roof specification. **Rafter length restrictions** apply at minimum roof pitch.

Concealed 20/20 tile ventilators must not be used on roof pitches below 22.5°. A low pitch version is available. Contact Sandtoft technical Services for further information.

Clay tiles are subject to small variations in size because of drying and firing shrinkage in the manufacturing process. Before deciding on the batten gauge and linear coverage, the roof tiler should inspect each batch of tiles to ensure that the correct minimum headlap and sidelap are achieved. For further guidance, download the [20/20 Installation Guide](#).

Tile Fixing

Sandtoft roof tiles must be laid and fixed to comply with BS 5534: the British Standard Code of practice for slating and tiling, and BS 8000: Part 6: the British Standard Code of practice for workmanship on building sites.

To ensure compliance with these Standards we strongly recommend that a calculated fixing specification be obtained from Sandtoft Technical Support or using Sandtoft's online FixSPEC tool at www.wienerberger.co.uk or www.roofspec.co.uk

For further information go to www.wienerberger.co.uk or contact Sandtoft Technical Support on 0844 9395 999.